WHAT IS CLAIMED IS:

1. A fiber-optic transmitting and receiving device comprising a transmitting and receiving head and a metal board, the transmitting and receiving head formed with optic-transmitting legs, plural independent feet and a groove, the metal board inserted in the groove, the metal board formed with metal tip; wherein:

the transmitting and receiving head, at a position of which corresponding to the groove, is formed with a Π-shaped socket, the transmitting and receiving head is further formed with a recess corresponding to the optic-transmitting legs, on both sides of the Π-shaped socket and in the recess are respectively provided with a projection;

a cover is a non-conductive plastic cover, on outer periphery of which is provided with bent arms, the bent arms respectively correspond to the both sides of the Π-shaped socket and the recess of the transmitting and receiving head, the respective bent arms are locked with the projection via a locking aperture, the cover fully and closely covers the metal board of the transmitting and receiving head, and the cover is formed with inserting holes at a position corresponding to the optic-transmitting legs and the metal tip, the respective inserting holes firmly abut an outer periphery of the optic-transmitting legs and the metal tip.

2. The fiber-optic transmitting and receiving device as claimed in claim 1, wherein an inserting groove corresponding to the metal board

of the transmitting and receiving head is formed on an inner wall of the cover, so as to enable the cover to tightly cover the Π-shaped socket.

3. The fiber-optic transmitting and receiving device as claimed in claim 1, wherein the cover is formed on the periphery thereof with inclined locking surface which enables the cover to be easily covered on the transmitting and receiving head.

4. The fiber-optic transmitting and receiving device as claimed in claim 1, wherein the inserting holes is formed on the inner periphery with inclined locking surface which enables the optic-transmitting legs and the metal tips to be easily inserted through the inserting holes.

5. The fiber-optic transmitting and receiving device as claimed in claim 1, wherein:

the transmitting and receiving head is formed with plural sockets that correspond to connecting elements inside the transmitting and receiving head, the sockets are in communication with plural mounting holes formed on another side of the transmitting and receiving head, a retaining hole is formed on an inner wall of the respective sockets and open outward, a position of the retaining hole corresponds to the height where the sockets to be positioned;

the plural independent feet are bent members integrally formed and made of metal material, a first end of the respective independent feet is a connecting end and a second end of which is provided with an abutting block, a check retainer is protruded out of a surface of the first

end and located adjacent to the U-shaped bent portion, the U-shaped bent portion of the independent feet is inserted in the sockets of the transmitting and receiving head while the connecting end inserting in the mounting holes and the check retainer inserting in the retaining hole of the sockets.

6. The fiber-optic transmitting and receiving device as claimed in claim 5, wherein an abutting block is provided on each of the independent feet and serves to insert in the sockets of the transmitting and receiving head.